



DOCKET: CU-2792

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Louis BIGO et al. )  
SERIAL NO: 10/034,531 ) Group Art Unit: 3745  
FILED: December 28, 2001 ) Examiner: Frank D. Lopez  
TITLE: A TAPPING CIRCUIT INCLUDING A TAPPING VALVE FOR  
REPLENSHING AND/OR FLUSHING THE CASING OF A  
HYDRAULIC MOTOR

THE COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

JUL 24 2003

**AMENDED REPLACEMENT PARAGRAPHS**

TECHNOLOGY CENTER R3700

*Fourth paragraph starting at line 16 on Page 1*

the tapping circuit comprising means for tapping fluid from the main circuit  
and means for removing the tapped fluid to a ~~pressure-free~~ reservoir under  
atmospheric pressure via a removal pipe.

*Fifth paragraph starting on line 19 Page 7*

1A2 In this circuit, a replenishing circuit 18 includes a first replenishing valve 20  
constituted by a selector which has two inlet ports connected to respective ones  
of the two main pipes 12 and 14, and one outlet port which, via a removal pipe,  
removes the fluid tapped by the valve 20 to a ~~pressure-free~~ reservoir under  
atmospheric pressure 22. More precisely, the removal pipe includes a  
connection segment 24 which is disposed between the outlet of the valve 20 and  
an orifice which opens out into the casing of the motor 16. A second replenishing  
valve constituted by a flow-rate regulator 26 is disposed on this segment. Thus,  
under given operating conditions, the fluid tapped by the first replenishing valve  
20 is injected into the casing of the motor. Inside the casing, flushing takes  
place, and the fluid is removed via a leakage return pipe 28 which constitutes an

A2  
W4

end segment of the removal pipe. The valve 20 is controlled by control means 30 and 32 so that it is caused to go from its neutral position in which it is shown in Figure 1, to one or other of its replenishing positions in which it connects the pipe 14 or the pipe 12 (the pipe that is at the lower pressure) to the pipe 24.

---